

ME.80-14/6ASW-P BATTERY CHARGER/POWER SUPPLY

USER MANUAL

WARNING!

This device, like all electrical products, MUST be treated with respect. Follow these instructions to reduce electrical hazard risk. The device MUST be grounded to reduce risk of electrical shock.

Input and output connectors and indicator of the device:



Usage of the device:

The device operates either as a battery charger or as a power supply. You can choose the operating mode by setting of the nominal output voltage by a potentiometer installed inside the device. The adjusted nominal voltage has to be measured by a multimeter. If the nominal voltage is under 12.5 VDC the device operates as a power supply (there is no deep discharge), above 13 VDC it operates as a battery charger.

1. Battery charger

Connect output “**BATT**” to the battery and the output “**DC OUT**” to the load. The output voltage is 13.8VDC, maximum current is 6A. If loading current is chosen to 5A, the charger can supply 1A for battery charging. Pay attention to the polarity! Connect mains voltage to “**AC IN 230V 50/60 Hz**”.

The meaning of the STATE signal:

Blinking green:	Mains and battery voltage is OK
Bilking green-red:	Mains voltage failure (in battery mode)
Blinking red:	Battery deep discharge

The device charges the battery automatically (according to I-U characteristic), there is no need to any intervention. In case of mains power cut the device prevents the deep discharge or failure of the battery by switching off the load at below 10.5 VDC battery voltage.

2. Power supply

Application example: supply of 12VDC cameras

Connect the mains voltage to the input connector „230V 50/60Hz”.

Adjust the output voltage by potentiometer installed inside the device to 12V measured by a multimeter. Use the connector DC OUT and/or ACCU. **Max loading current is 6A.**

The meaning of the STATE signal:

Continuous green:	Output is OK
Continuous red:	Output is overloaded

The signal alters from green to red if the output voltage run under 11 VDC.

Specifikations

Input:230V 50/60Hz $\pm 10\%$

Output:12V-13,8V/6A

Insultation class:I.

Protection:IP 00

Max ambient temperature:50°C